

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2005/000423

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7): C07F 9/40, C07C 255/29, C07C 255/10, C07C 317/32, C07D 213/40, C07D 317/60, C07D 307/54, C07F 7/02, A61P 35/00, A61P 35/02, A61K 31/277, A61K 31/662, A61K 31/36, A61K 31/44, A61K 31/341, A61K 31/695, C07C 255/14, C07C 255/13, C07C 255/34

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(7): C07F 9/40, C07C 255/29, C07C 255/10, C07C 317/32, C07D 213/40, C07D 317/60, C07D 307/54, C07F 7/02, A61P 35/00, A61P 35/02, A61K 31/277, A61K 31/662, A61K 31/36, A61K 31/44, A61K 31/341, A61K 31/695, C07C 255/14, C07C 255/13, C07C 255/34

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)
Canadian Patent database, United States Patent database, European Patent database, Delphion

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CA 2406160 (Roifman et al.) October 25, 2001	1-37
X	CA 2463133 (Roifman et al.) April 17, 2003	1-22, 30
X	CA 2473763 (Roifman et al.) July 31, 2003	1-11, 16-37
X	EP 0335641 (Taketani et al.) October 4, 1989	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

<ul style="list-style-type: none"> • Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	<ul style="list-style-type: none"> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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Date of the actual completion of the international search

11 May 2005 (11-05-2005)

Date of mailing of the international search report

18 May 2005 (18-05-2005)

Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
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Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
CA2406160	25-10-2001	AU4820101 A	30-10-2001
		BR0110087 A	17-02-2004
		CN1429202 A	09-07-2003
		EP1272457 A2	08-01-2003
		GB0226316D D0	18-12-2002
		JP2003531133T T	21-10-2003
		US6800659 B2	05-10-2004
		US2004072803 A1	15-04-2004
		US2004209845 A1	21-10-2004
		WO0179158 A2	25-10-2001
CA2463133	17-04-2003	EP1453500 A1	08-09-2004
		US2005014690 A1	20-01-2005
		WO03030895 A1	17-04-2003
CA2473763	31-07-2003	BR0307000 A	03-11-2004
		EP1467967 A1	20-10-2004
		GB0418331D D0	22-09-2004
		WO03062190 A1	31-07-2003
EP0335641	04-10-1989	DE68911969D D1	17-02-1994
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		JP1288831 A	21-11-1989
		JP1300234 A	04-12-1989
		JP2073236 A	13-03-1990
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		JP2074931 A	14-03-1990
		JP2077025 A	16-03-1990
		JP2134622 A	23-05-1990
		JP2134623 A	23-05-1990
		JP2135427 A	24-05-1990
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		JP2171731 A	03-07-1990
		US5196147 A	23-03-1993

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Continuation of Box II:

Claims 1-37 relate to an extremely large number of possible compounds, compositions and uses thereof. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found however for only a very small proportion of the defined compounds, compositions and uses thereof. In the present application, the claims so lack support and the specification so lacks disclosure that a meaningful search over the whole of the claimed scope is not possible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts that relate to the compounds defined in claim 20.

It is stressed that the initial phase of the search revealed a very large number of documents that call into question the novelty and inventive step involved in claims 1-20. Only the most relevant of these documents have been cited in the search report. As a result, a meaningful search over the whole of the defined scope of claims 1-37 is not possible and the search has been limited as described above.

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☒ Claim Nos. : 30 - 37
because they relate to subject matter not required to be searched by this Authority, namely :

Although claims 30 to 37 are directed to methods of medical treatment of the human/animal body, the search has been carried out based on the alleged effects of the compounds of claims 1 to 20 on modulating cell proliferation.
2. ☒ Claim Nos. : 1-37
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :

see additional sheet
3. ☐ Claim Nos. :
because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos. :
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos. :

- Remark on Protest** ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.